IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of)	
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BRICKLIN et al.)	Examiner: Feild, J.
)	
Serial No. Not yet assigned)	
)	Group Art Unit: 2776
Filed: Herewith)	
)	
For: HYPERMEDIA AUTHORING AND)	
PUBLISHING SYSTEM)	
)	

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D. C. 20231

Sir:

Please amend the present patent application as follows:

IN THE SPECIFICATION

Please amend the Specification by inserting after the title, the sentence:

--This application is a continuation of application Serial No. 08/723,301

filed September 30, 1996.--

IN THE CLAIMS

Please add the following new claims:

--2.   A display system for representing the content of sets of data

comprising:

a display screen;

a plurality of graphical elements representing sets of data displayed on said display screen, a first of said graphical elements comprising a caricature based upon a first parameter related to a first of said sets of data.--

--3.   The display system of claim 2 wherein said sets of data comprise lexia of a hypermedia work.--

--4.   The display system of claim 2 wherein said first set of data comprises formatted display data displayable on said display screen, and wherein said first parameter comprises a visual appearance of said display data when displayed on said display screen.--

--5.   The display system of claim 4 wherein said caricature comprises a caricature of a first portion of said visual appearance of said display data.--

--6.   The display system of claim 5 wherein said formatted display data comprises text data arranged in a plurality of paragraphs, and wherein said caricature comprises caricatures of a first portion of said plurality of paragraphs.-

--7.   The display system of claim 5 wherein a size of said first portion of said visual appearance of said display data is dependent on a size of said first graphical element.--

--8.   The display system of claim 2 wherein said caricature comprises a pseudo-randomly generated feature.--

--9.   The display system of claim 8 wherein said pseudo-randomly generated feature comprises the location of a visual feature of said caricature.--

--10.   The display system of claim 9 wherein said visual feature comprises a notch along a perimeter of said caricature.--

--11.   The display system of claim 2 wherein a change to said first set of data that results in a change to said first parameter leads to a corresponding change to said caricature.--

--12.   The display system of claim 2 wherein said first parameter comprises a time related to said first set of data.--

--13.   The display system of claim 12 wherein said time related to said first set of data comprises a time of creation of said first set of data.--

--14.   The display system of claim 12 wherein said time related to said first set of data comprises a time related to an access history of said first set of data.--

--15.   The display system of claim 2 wherein said caricature based on said first parameter comprises a shape of said first graphical element.--

--16.   The display system of claim 15 wherein said shape of said first graphical element comprises a rectangle, and wherein a degree of rounding of

comers of said rectangle depends upon a value of said first parameter.--

--17.   The display system of claim 16 wherein said first parameter comprises a count of a number of times that said first set of data is accessed.--

--18.   The display system of claim 2 wherein said caricature based on said first parameter comprises a color.--

--19.   The display system of claim 18 wherein said color depends upon a value of said first parameter.--

--20.   The display system of claim 11 wherein said caricature is updated to reflect a change made to said first set of data.--

--21.   The display system of claim 2 wherein a visual appearance of said first graphical element and a relative position of said first graphical element on said display screen distinguishes said first set of data from other sets of data.--

--22.   A hypermedia display system for displaying a hypermedia work comprising a plurality of lexia, said display system comprising:

a display screen;

a hypermedia work display window displayed on said display screen;

a plurality of graphical elements representing a plurality of lexia displayed in said hypermedia work display window, said graphical elements comprising a plurality of displayable types, said displayable

types comprising a basic type and content-based type, a currently

displayed of said plurality of displayable types corresponding to a selected

display mode for said hypermedia work display window.--

--23.   The hypermedia display system of claim 22 wherein an appearance

of said basic displayable type of graphical element is identical for each graphical

element representing a lexia.--

--24.   The hypermedia display system of claim 22 wherein an appearance

of said content-based displayable type of graphical element is based on a

parameter related to a lexia represented by said graphical element.--

--25.   The hypermedia display system of claim 23 wherein an appearance

of said content-based displayable type of graphical element is based on a

parameter related to a lexia represented by said graphical element.--

--26.   The hypermedia display system of claim 24 wherein an appearance

of said content-based displayable type of graphical element is based on a

plurality of parameters related to a lexia represented by said graphical element.--

--27.   The hypermedia display system of claim 24 wherein said parameter

related to a lexia represented by said graphical element comprises a pseudo-

random parameter assigned to said graphical element.--

--28.   The hypermedia display system of claim 24 wherein said parameter

related to a lexia represented by said graphical element comprises a visual

appearance of said lexia when said lexia is displayed on said display screen.--

--29.   The hypermedia display system of claim 24 wherein said parameter related to a lexia represented by said graphical element comprises a time parameter related to said lexia.--

--30.   The hypermedia display system of claim 29 wherein said time parameter is related to a time of creation of said lexia.--

--31.   The hypermedia display system of claim 29 wherein said time parameter is related to a time of selection for display of said lexia.--

--32.   The hypermedia display system of claim 24 wherein said parameter related to a lexia represented by said graphical element comprises is related to a frequency of selection for display of said lexia.--

--33.   A hypermedia editing system for editing a hypermedia work comprising:

a display screen;

a hypermedia work display window displayed on said display screen;

a plurality of freely movable graphical elements representing a plurality of lexia of said hypermedia work displayed in said hypermedia work display window;

a plurality of freely movable user configurable text labels displayed in said hypermedia work display window.--

--34.   In a computer system, a method for creating a graphical element representing a set of data, said method comprising the steps of:

examining a set of data;

identifying a first parameter of said set of data;

generating a first representation corresponding to said first parameter;

incorporating said first representation in a graphical element representing said set of data.--

--35.   The method of claim 34 wherein said set of data comprises a lexia of a hypermedia work.--

--36.   The method of claim 34 wherein said set of data comprises data displayable on a display device and wherein said first parameter comprises a visual appearance of a portion of said data when displayed on said display device.--

--37.   The method of claim 34 further comprising the steps of:

reexamining said set of data after a triggering event has occurred;

identifying any change to said first parameter of said set of data;

if a change to said first parameter has occurred, revising said first representation corresponding to said first parameter according to said change;

incorporating said revised first representation in said graphical element representing said set of data.--

--38.   The method of claim 34 further comprising the steps of:

identifying a second parameter of said set of data;

generating a second representation corresponding to said second

parameter;

incorporating said second representation in said graphical element

representing said set of data.--

--39.   The method of claim 34 further comprising the steps of:

identifying plurality of additional parameters of said set of data;

generating additional representations corresponding to said

additional parameters;

incorporating said additional representations in said graphical

element representing said set of data.--

--40.   In a computer system, a method for creating a link between a first

lexia and a second lexia of a hypermedia work comprising the steps of:

displaying said first lexia in a lexia display window on a display

screen;

displaying a graphical element representing said second lexia in a

hypermedia work display window on said display screen;

selecting a location for an activation area for said link in said lexia

display window;

selecting said graphical element in said hypermedia work display

window.--

--41. The method of claim 40 further comprising the steps of:

extracting a label for said link activation area from a data field of

said lexia;

displaying said label in said lexia display window.--

--42. The method of claim 41 wherein said link activation area comprises

said label.--

--43. In a computer system, a method for displaying results of searching

for data contained in a plurality of sets of data comprising the steps of:

displaying a graphical element corresponding to each of a plurality

of said sets of data on a display screen;

identifying each set of data comprising said searched for data by

highlighting each of said graphical elements corresponding to each of said

sets of data comprising said searched for data on said display screen.--

--44. The method of claim 43 wherein said sets of data comprise lexia of

a hypermedia work.--

--45. The method of claim 43 further comprising the steps of:

displaying a set of data comprising said searched for data on said

display screen;

highlighting said searched for data of said set of data displayed on

said display screen.--

--46. The method of claim 44 wherein said searched for data comprises

data representing a hypermedia link.--

--47.   The method of claim 44 wherein said graphical elements representing said lexia comprise lexia symbols displayed in a hypermedia work display window on said display screen.--

--48.   The method of claim 44 wherein said step of displaying a graphical element corresponding to each of a plurality of said sets of data on a display screen comprises the step of:

displaying first graphical elements representing a first portion of the lexia of a hypermedia work in a first hypermedia work display window and displaying second graphical elements representing a second portion of the lexia of a hypermedia work in a second hypermedia work display window.--

--49.   The method of claim 48 wherein said second portion comprises a portion of said first portion.--

--50.   The method of claim 49 wherein said first portion comprises all of the lexia of said hypermedia work.--

--51.   In a computer system, a method for editing a hypermedia work comprising the steps of:

displaying a plurality of freely movable graphical elements representing a plurality of lexia of a hypermedia work on a display screen in a hypermedia work display window;

displaying a plurality of freely movable user configurable text labels in said hypermedia work display window.--

--52. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for creating a graphical element representing a set of data, said method comprising the steps of:

examining a set of data;

identifying a first parameter of said set of data;

generating a first representation corresponding to said first parameter;

incorporating said first representation in a graphical element representing said set of data.--

--53. The program storage device of claim 52 wherein said set of data comprises a lexia of a hypermedia work.--

--54. The program storage device of claim 52 wherein said set of data comprises data displayable on a display device and wherein said first parameter comprises a visual appearance of a portion of said data when displayed on said display device.--

--55. The program storage device of claim 52 wherein said method further comprises the steps of:

reexamining said set of data after a triggering event has occurred;

identifying any change to said first parameter of said set of data;

if a change to said first parameter has occurred, revising said first representation corresponding to said first parameter according to said change;

incorporating said revised first representation in said graphical element representing said set of data.--

--56. The program storage device of claim 52 wherein said method further comprises the steps of:

identifying a second parameter of said set of data;

generating a second representation corresponding to said second parameter;

incorporating said second representation in said graphical element representing said set of data.--

--57. The program storage device of claim 52 wherein said method further comprises the steps of:

identifying a plurality of additional parameters of said set of data;

generating additional representations corresponding to said additional parameters;

incorporating said additional representations in said graphical element representing said set of data.--

--58. A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for creating a link between a first lexia and a second lexia of a hypermedia work, said method comprising the steps of:

displaying said first lexia in a lexia display window on a display

screen;

displaying a graphical element representing said second lexia in a

hypermedia work display window on said display screen;

selecting a location for an activation area for said link in said lexia

display window;

selecting said graphical element in said hypermedia work display

window.--

--59. The program storage device of claim 58 wherein said method

further comprises the steps of:

extracting a label for said link activation area from a data field of

said lexia;

displaying said label in said lexia display window.--

--60. The program storage device of claim 59 wherein said link activation

area comprises said label.--

--61. A program storage device readable by a machine, tangibly

embodying a program of instructions executable by the machine to perform

method steps for displaying results of searching for data contained in a plurality

of sets of data, said method comprising the steps of:

displaying a graphical element corresponding to each of a plurality

of said sets of data on a display screen;

identifying each set of data comprising said searched for data by

highlighting each of said graphical elements corresponding to each of said

sets of data comprising said searched for data on said display screen.--

--62.   The program storage device of claim 61 wherein said sets of data comprise lexia of a hypermedia work.--

--63.   The program storage device of claim 61 wherein said method further comprises the steps of:

displaying a set of data comprising said searched for data on said display screen;

highlighting said searched for data of said set of data displayed on said display screen.--

--64.   The program storage device of claim 62 wherein said searched for data comprises data representing a hypermedia link.--

--65.   The program storage device of claim 62 wherein said graphical elements representing said lexia comprise lexia symbols displayed in a hypermedia work display window on said display screen.--

--66.   The program storage device of claim 62 wherein said method step of displaying a graphical element corresponding to each of a plurality of said sets of data on a display screen comprises the step of:

displaying first graphical elements representing a first portion of the lexia of a hypermedia work in a first hypermedia work display window and displaying second graphical elements representing a second portion of the lexia of a hypermedia work in a second hypermedia work

display window.--

--67.   The program storage device of claim 66 wherein said second portion comprises a portion of said first portion.--

--68.   The program storage device of claim 67 wherein said first portion comprises all of the lexia of said hypermedia work.--

--69.   A program storage device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for editing a hypermedia work, said method comprising the steps of:

displaying a plurality of freely movable graphical elements

representing a plurality of lexia of a hypermedia work on a display screen

in a hypermedia work display window;

displaying a plurality of freely movable user configurable text

labels in said hypermedia work display window.--

REMARKS

Claim 1 is pending in the present patent application. Applicant is submitting additional claims 2-69. Applicant submits that new claims 2-69 are fully supported by the specification, figures and claims as originally filed, and that no new matter has been introduced. Applicant respectfully requests examination and consideration of pending claims 1-69.

Respectfully submitted,

THE HECKER LAW GROUP

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